

ABSTRACT OF THE DISCLOSURE

A multifunctional thermal installation that includes a compressor, a switch valve, an evaporator, a condenser, a water heater, and an expansion valve is provided. The water heater has a water inlet that is connected to an underground well. Each of the evaporator and condenser includes at least a group of heat exchangers. The first group of heat exchangers is disposed in the water heater and the second group of heat exchangers and a fan associated with the second group of heat exchangers are disposed in a room.